

CLAIM AMENDMENTS

Claims 1-11 are pending in this application. Claims 1 and 9 are independent. Claims 1-4, 6 and 8-10 have been rejected. Claims 5 and 7 have been objected to. Claim 11 has been allowed.

1. (Currently Amended) A zoom lens comprising, in order from an object side,
a first lens unit of positive refractive power;
a second lens unit of negative refractive power;
a third lens unit of positive refractive power;
a fourth lens unit of negative refractive power, wherein said fourth lens unit comprises
two or more lens components including a lens component of negative refractive power; and
a fifth lens unit of positive refractive power,
wherein predetermined lens units move during zooming from a wide-angle end to
a telephoto end so that a separation between said first and second lens units increases, a
separation between said second and third lens unit decreases, a separation between said third and
fourth lens units increases, and a separation between said fourth and fifth lens unit decreases, and
wherein an image is displaced by moving a part of the lens component of negative
refractive power in said fourth lens unit so as to have a component of a direction perpendicular to
an optical axis of said zoom lens.

2. (Original) A zoom lens according to claim 1, wherein said zoom lens forms an image on a
photoelectric conversion element.

3. (Original) A zoom lens according to claim 1, wherein said fourth lens unit comprises two

or more lens components including a lens component of negative refractive power, and the image is displaced by moving the lens component of negative refractive power so as to have the component of the direction perpendicular to the optical axis.

4. (Previously Amended) A zoom lens according to claim 3, wherein said fourth lens unit includes a lens component of positive refractive power and said lens component of negative refractive power.

5. (Objected) A zoom lens according to claim 3, wherein a condition $0.01 < f_{is}/f_4 < 0.8$ is satisfied where f_{is} is a focal length of said lens component of negative refractive power so as to have the component of the direction perpendicular to the optical axis, and f_4 is a focal length of the fourth lens unit.

6. (Original) A zoom lens according to claim 3, wherein the fourth lens unit includes, in order from the object side, a lens component of positive refractive power, and said lens component of negative refractive power that displaces an image by moving said lens component of negative refractive power so as to have the component of the direction perpendicular to the optical axis.

7. (Objected) A zoom lens according to claim 3, wherein a condition $-0.8 < r_t < -0.1$ is satisfied where r_t is a lateral magnification at a telephoto end of optical part disposed closer to an image plane than said lens component of negative refractive power that is moved so as to have the component of the direction perpendicular to the optical axis of said zoom lens.

8. (Original) A zoom lens according to claim 4, wherein the lens component of positive refractive power comprises a cemented lens of a positive lens and a negative lens or a single positive lens, and the lens component of negative refractive power comprises a cemented lens of a positive lens and a negative lens.

9. (Currently Amended) An optical apparatus comprising a zoom lens, said zoom lens comprising, in order from an object side,

a first lens unit of positive refractive power;

a second lens unit of negative refractive power;

a third lens unit of positive refractive power;

a fourth lens unit of negative refractive power, wherein said fourth lens unit comprises two or more lens components including a lens component of negative refractive power; and

a fifth lens unit of positive refractive power,

wherein predetermined lens units move during zooming from a wide-angle end to a telephoto end so that a separation between said first and second lens units increases, a separation between said second and third lens units decreases, a separation between said third and fourth lens units increases, and a separation between said fourth and fifth lens units decreases, and

wherein an image is displaced by moving a part of the lens component of negative refractive power in said fourth lens unit so as to have a component of a direction perpendicular to an optical axis of said zoom lens.

10. (Original) An optical apparatus according to claim 9, further comprising a photoelectric conversion element at an image plane.

11. (Allowed) A zoom lens comprising in order from an object side,

a first lens unit of positive refractive power;

a second lens unit of negative refractive power;

a third lens unit of positive refractive power;

a fourth lens unit of negative refractive power; and

a fifth lens unit of positive refractive power,

wherein predetermined lens units move during zooming from wide-angle end to a telephoto end so that a separation between said first and second lens units increases, a separation between said second and third lens units decreases, a separation between said third and fourth lens units increases, and a separation between said fourth and fifth lens units decreases,

wherein an image is displaced by moving at least part of the fourth lens unit so as to have a component of a direction perpendicular to an optical axis of said zoom lens, and

wherein said zoom lens satisfies the following condition:

$$-0.5 < \text{brt} < -0.2$$

where brt is a lateral magnification at a telephoto end of optical part disposed closer to an image plane than said at least part of the fourth lens unit so as to have a component of a direction perpendicular to the optical axis of said zoom lens.